



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA No. 16-1211

Friday October 21, 2016

Report No. SAT-01195

Policy Branch Information

Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

SAT-LOA-20151123-00078 E S2946 Spire Global, Inc.

Launch and Operating Authority

Granted in Part/ Deferred in Part

Effective Date: 10/14/2016

Nature of Service: Earth Exploration Satellite Service, Other

On October 14, 2016, the Satellite Division granted in part, with conditions, and deferred in part the application of Spire Global, Inc. for authority to construct, deploy, and operate a constellation of up to 175 technically identical non-geostationary satellites. Specifically, Spire was authorized to construct, deploy, and operate 28 technically identical non-geostationary satellites. Up to 28 satellites may be initially deployed to orbital altitudes of no greater than 650 kilometers, or alternatively, up to eight satellites of the 28 authorized may be launched via a Falcon-9 launch vehicle as part of the SHERPA/Formasat-5 mission for deployment into a 450 km x 720 km orbit at an inclination of 97.4 degrees. The satellites will be used to conduct maritime monitoring, meteorological monitoring, and earth imaging operations using the 2020-2025 MHz frequency band (space-to-Earth). Spire was also authorized to uplink data (Earth-to-space) and to operate a back-up data downlink (space-to-Earth) in the 402-403 MHz band frequency band. Spire was authorized to conduct telemetry, tracking and command functions in the 402-403 MHz band (Earth-to-space and space-to-Earth). In addition, the satellites will also receive Automatic Identification System (AIS) signals centered at 161.975 MHz and 162.025 MHz, and GPS signals centered at 1575.42 MHz and 1227.60 MHz. Action was deferred on the remainder of Spire's application.

SAT-STA-20161003-00095 E S2939 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Effective Date: 10/19/2016

On October 19, 2016, the Satellite Division granted, with conditions, special temporary authority to Intelsat License LLC, for a period of 30 days, to continue to conduct in-orbit testing of the Intelsat 33e space station at the 59.55° E.L. orbital location using the 3625-4200 MHz (space-to-Earth), 5850-6725 MHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth), 11.2-11.45 GHz (space-to-Earth), 11.45-12.2 GHz (space-to-Earth), 12.5-12.6 GHz (space-to-Earth), 18.3-20.2 GHz (space-to-Earth), 13.75-13.85 GHz (Earth-to-space), 14.0-14.5 GHz (Earth-to-space), 17.3-17.8 GHz (Earth-to-space), and 28.1-30.0 Hz (Earth-to-space) frequency bands. Intelsat was also authorized to continue to conduct telemetry, tracking, and command operations necessary to maintain Intelsat 33e at the 59.55° E.L. orbital location during in-orbit testing, and to effect the drift of Intelsat 33e to the 60.0° E.L. orbital location upon completion of in-orbit testing, using the following center frequencies: 4197.25 MHz, 4197.75 MHz, 4198.25 MHz, and 4198.75 MHz (space-to-Earth); and 6422.00 MHz, 6424.5 MHz, 5850.5 MHz, and 5853.0 MHz (Earth-to-space).

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.